



77W

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Chii-Ming Wu, et al.

Serial No.: 10/657,505

Filed: September 8, 2003

For: Method of Manufacturing a Contact  
Interconnection Layer Containing a  
Metal and Nitrogen by Atomic Layer  
Deposition for Deep sub-Micron  
Semiconductor Technology

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Docket No.: 2001-1247/24061.406

Customer No. 42717

Group Art Unit: 2812

Examiner: TBD

Conf. No.: 9336

TRANSMITTAL

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified patent application.

1. Revocation/New Power of Attorney by Assignee of Entire Interest  
Including Certification for Taking Action by Assignee Under 37 CFR 3.73(b); and
2. Return Receipt Postcard

Applicant believes no fee is due. However, the Director is authorized to charge any deficiency fees or credit any overpayments to Deposit Account No. 08-1394 of Haynes and Boone, LLP.

Respectfully submitted,

David M. O'Dell  
Reg. No. 42,044

Date: January 7, 2005

HAYNES AND BOONE, LLP  
901 Main Street, Suite 3100  
Dallas, Texas 75202-3789  
Telephone: 972-739-8635  
Facsimile: 214-200-0853

Customer Number: 42717

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below:

Kelly A. Moreau  
Name  
January 10, 2005  
Date



Customer No.: 42717

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REVOCATION/NEW POWER OF ATTORNEY BY ASSIGNEE  
OF ENTIRE INTEREST INCLUDING CERTIFICATION FOR  
TAKING ACTION BY ASSIGNEE UNDER 37 CFR 3.73(b)

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The below-named assignee hereby revokes all powers of attorney previously given and hereby appoints the following attorneys to prosecute the applications identified on the attached Schedule A and to transact all business in the United States Patent and Trademark Office in connection therewith:

Practitioners associated with the Customer Number: 42717

Please change the correspondence address to the address associated with the above Customer Number.

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventors of the above-identified patent application to the above-identified assignee as shown on the attached Schedule A.

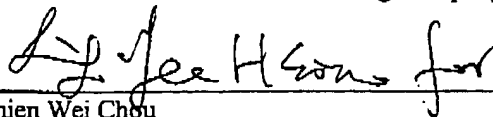
The undersigned has reviewed all the documents in the chain of title of the above-identified patent application and, to the best of the undersigned's knowledge and belief, title is in the above-identified assignee. The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

The present application to which this Revocation/New Power of Attorney applies to is identified on the accompanying Transmittal Letter. The undersigned hereby authorizes practitioner to redact patent applications listed on Schedule A not related to the present application.

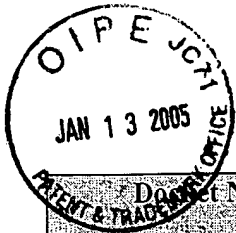
The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true; and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed the 6<sup>th</sup> day of January, 2005.

Taiwan Semiconductor Manufacturing Company, Ltd.

  
Chien Wei Chou  
Director, IP Division

HAYNES AND BOONE, LLP  
901 Main Street, Suite 3100  
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SCHEDULE A – Page 1 of 2

Patent No.	Applicant	Serial No.	Filing Date	Conf. No.	Assignment Recordation Date	Assignment Recordation Reel/Frame
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24061.406 (2001-1247)	Chii-Ming Wu, et al.	10/657,505	09-08-03	9336	09-08-2003	014479/0354
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REDACTED

**SCHEDULE A – Page 2 of 2**

<b>Docket No.</b>	<b>Applicant</b>	<b>Serial No.</b>	<b>Filing Date</b>	<b>Conf. No.</b>	<b>Assignment Recordation Date</b>	<b>Assignment Recordation Reel/Frame</b>
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**REDACTED**